

Webpage Template

REVISION HISTORY

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This is an `asciidoc` template that other math students can use to create their webpage. I have tried to include as much examples as you need to start creating a usable and informative webpage.

1 Document Structure

Asciiidoc supports multiple headings

2 Heading 1

example of heading 1

2.1 Heading 2

example of heading 2

2.1.1 Heading 3

example of heading 3

Heading 4

example of heading 4

3 Text Formating

bold, *italics*, `code`, **strong**, ^{superscript}, _{subscript}.

3.1 Lists

- Unordered lists
 1. ordered lists
 - a. another ordered list
 - with an unordered list
 - b. ordered
 2. ordered
 - unordered
-

3.2 Literal Blocks

Literal blocks are escaped i.e. they are never interpreted by asciidoc

```
//this my cool list
* Unordered lists
1. ordered lists
  a. another ordered list
    - with an unordered list
  b. ordered
2. ordered
* unordered
```

3.3 Code Blocks

Example 3.1 Factorial and Digit Adding Program in Python

```
def fact(n):
    if n == 1:
        return 1
    else:
        return n * fact(n-1)

def sum(n):
    r = 0
    while(n != 0):
        r += n%10
        n /= 10
    return r

for i in xrange(1,50):
    n = fact(i)
    print n, sum(n)
```

Example 3.2 C Source is Similar

```
int main(int argc, char** argv) {
    glutInit(&argc, argv);
    glutInitDisplayMode(GLUT_SINGLE | GLUT_RGB);
    glutInitWindowSize(500, 500);
    glutInitWindowPosition(0,0);
    glutCreateWindow("simple");
    glutDisplayFunc(display);
    init( );
    glutMainLoop( );
}
```

4 Compiling

Note

There is more than one way of compiling this document

- `asciidoc template.txt -w` will compile the document to `template.html`
 - `asciidoc template.txt -o template2.html` - will compile to `template2.html`
 - `asciidoc template.txt -a latexmath` - will compile document with math support.
-

5 Mathematics



Important

These math formulas are lifted from Lisa's **LaTeX** document.

$$\sum_{j=0}^{n-1} (j+1) \binom{2n-2}{j} + \sum_{j=n}^{2n-2} (2n-1-j) \binom{2n-2}{j} = 2 \left(\sum_{j=0}^{n-1} (j+1) \binom{2n-2}{j} \right) - n \binom{2n-2}{n-1}$$

or

$$T(r, e+1) = T(r, e) - \binom{2(r-1)}{e-1} + \binom{2(r-1)}{e-1+r}$$

Simpler formulas can be inserted as well

$$x^2 + y^2 = z^2$$

5.1 Literal Paragraph

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